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**From:** Behrsing, Tracy [behrsing.tracy@epa.gov]  
**Sent:** 7/11/2017 9:38:34 PM  
**To:** Aubee, Catherine [Aubee.Catherine@epa.gov]  
**Subject:** RE: [For review] NC GenX Assessment Knowledge Gaps

*Internal draft, deliberative – enforcement and compliance*

Hi Catherine –

Chris has inserted his comments within the file attached to his message. Please remove the yellow highlighted notes I had inserted on p. 4 since his specific comments are later. Perhaps on p. 4 the comment could be deleted altogether or simply revised to something such as “See comments on p. 7 of 17 re: this publication”. I defer to you on the exact wording.

Thanks,  
Tracy

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**From:** Brinkerhoff, Chris  
**Sent:** Tuesday, July 11, 2017 5:11 PM  
**To:** Aubee, Catherine <Aubee.Catherine@epa.gov>; Henry, Tala <Henry.Tala@epa.gov>  
**Cc:** Benson, Amy <Benson.Amy@epa.gov>; Behrsing, Tracy <behrsing.tracy@epa.gov>; Tobias, David <Tobias.David@epa.gov>; Sarraino, Stephanie <sarraino.stephanie@epa.gov>  
**Subject:** RE: [For review] NC GenX Assessment Knowledge Gaps

My comments on the TK sections are in the attached. I added comment bubbles in section 3 “interspecies uncertainty factor for GenX”  
Chris

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**From:** Aubee, Catherine  
**Sent:** Tuesday, July 11, 2017 3:41 PM  
**To:** Brinkerhoff, Chris <Brinkerhoff.Chris@epa.gov>; Henry, Tala <Henry.Tala@epa.gov>  
**Cc:** Benson, Amy <Benson.Amy@epa.gov>; Behrsing, Tracy <behrsing.tracy@epa.gov>; Tobias, David <Tobias.David@epa.gov>; Sarraino, Stephanie <sarraino.stephanie@epa.gov>  
**Subject:** [For review] NC GenX Assessment Knowledge Gaps

*Internal draft, deliberative – enforcement and compliance*

Hi Chris: Please see attached. There is a section flagged for your comment (look for yellow highlighting in the margin comments). **Please send me any input by COB today.**

Tala *et al.*, with the exception of the Chris’s TK input, this version includes comments from both OW and RAD. Please review and let me know if adjustments are needed.

Once I have your all-clear, I will send a courtesy copy to OW before sending our combined comments to NC. It would be great if we could get this to them today.

I’ll circulate our proposed clarifications to the meeting notes in a separate message. Thanks for all your efforts!

Catherine

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**From:** Benson, Amy  
**Sent:** Monday, July 10, 2017 10:24 AM  
**To:** Behrsing, Tracy <[behrsing.tracy@epa.gov](mailto:behrsing.tracy@epa.gov)>; Brinkerhoff, Chris <[Brinkerhoff.Chris@epa.gov](mailto:Brinkerhoff.Chris@epa.gov)>; Aubee, Catherine <[Aubee.Catherine@epa.gov](mailto:Aubee.Catherine@epa.gov)>  
**Cc:** Hasan, Jafrul <[Hasan.Jafrul@epa.gov](mailto:Hasan.Jafrul@epa.gov)>; Selby-Mohamadu, Yvette <[Selby-Mohamadu.Yvette@epa.gov](mailto:Selby-Mohamadu.Yvette@epa.gov)>  
**Subject:** RE: GenX Risk Assessment Knowledge Gaps

I sent around the comment on the other chemicals that were found (with Tala on the email chain) to see whether she and Catherine have thoughts on that comment. *I don't necessarily need to be on the email chain for some of the issues (unless you need me to clarify things) if Tala thinks there are too many people – in the management meeting, she mentioned there were a lot of people working on this.*

Note that Tracy and I talked and she wanted me to delete a comment she had on Table 4 so this version doesn't have her comment on that table.

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**From:** Behrsing, Tracy  
**Sent:** Friday, July 07, 2017 8:44 AM  
**To:** Brinkerhoff, Chris <[Brinkerhoff.Chris@epa.gov](mailto:Brinkerhoff.Chris@epa.gov)>; Benson, Amy <[Benson.Amy@epa.gov](mailto:Benson.Amy@epa.gov)>; Aubee, Catherine <[Aubee.Catherine@epa.gov](mailto:Aubee.Catherine@epa.gov)>  
**Cc:** Hasan, Jafrul <[Hasan.Jafrul@epa.gov](mailto:Hasan.Jafrul@epa.gov)>  
**Subject:** FW: GenX Risk Assessment Knowledge Gaps

*Internal Draft Deliberative*

Chris, Amy, and Catherine,

As we discussed yesterday, please find attached the NC DHHS draft document with some initial comments incorporated. Please free to edit any of the comments as these are a first draft. Some of the comments were issues discussed yesterday but based on Catherine's suggestion, I included them as a reminder. Catherine – one thought I had was whether we should limit the comments to only those specific questions they asked about. If so, we can edit the document accordingly. Either way, I think it's important to note that these are the comments we have within the requested time frame and we didn't comment on everything in the document.

After we compile comments from RAD, it would be helpful to merge with comments from OW since I expect they would provide discussion on the questions about RSC, etc.

Tracy

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**From:** Risen, Amy J [<mailto:Amy.Risen@dhhs.nc.gov>]  
**Sent:** Wednesday, July 5, 2017 7:38 PM  
**To:** Audra Henry <[ate1@cdc.gov](mailto:ate1@cdc.gov)>; Wheeler, John <[Wheeler.John@epa.gov](mailto:Wheeler.John@epa.gov)>; Mitchell, Ken <[Mitchell.Ken@epa.gov](mailto:Mitchell.Ken@epa.gov)>; Behl, Betsy <[Behl.Betsy@epa.gov](mailto:Behl.Betsy@epa.gov)>; Strong, Jamie <[Strong.Jamie@epa.gov](mailto:Strong.Jamie@epa.gov)>; Henry, Tala <[Henry.Tala@epa.gov](mailto:Henry.Tala@epa.gov)>; Behrsing, Tracy <[behrsing.tracy@epa.gov](mailto:behrsing.tracy@epa.gov)>; Benson, Amy <[Benson.Amy@epa.gov](mailto:Benson.Amy@epa.gov)>; Aubee, Catherine <[Aubee.Catherine@epa.gov](mailto:Aubee.Catherine@epa.gov)>; Kemker, Carol <[Kemker.Carol@epa.gov](mailto:Kemker.Carol@epa.gov)>; Allenbach, Becky <[Allenbach.Becky@epa.gov](mailto:Allenbach.Becky@epa.gov)>; Doa, Maria <[Doa.Maria@epa.gov](mailto:Doa.Maria@epa.gov)>; Mort, Sandra L <[sandy.mort@ncdenr.gov](mailto:sandy.mort@ncdenr.gov)>; Shehee, Mina <[mina.shehee@dhhs.nc.gov](mailto:mina.shehee@dhhs.nc.gov)>; Elizabeth Dittman <[Beth.Dittman@dhhs.nc.gov](mailto:Beth.Dittman@dhhs.nc.gov)>; Holt, Kennedy <[Kennedy.Holt@dhhs.nc.gov](mailto:Kennedy.Holt@dhhs.nc.gov)>; Langley, Rick <[rick.langley@dhhs.nc.gov](mailto:rick.langley@dhhs.nc.gov)>; [connie.brower@ncdenr.gov](mailto:connie.brower@ncdenr.gov)  
**Cc:** Tina Forrester <[txf5@cdc.gov](mailto:txf5@cdc.gov)>; Susan Moore <[sym8@cdc.gov](mailto:sym8@cdc.gov)>; Selene Chou <[cjc3@cdc.gov](mailto:cjc3@cdc.gov)>; Trent LeCoultre <[tl17@cdc.gov](mailto:tl17@cdc.gov)>; [ldz7@cdc.gov](mailto:ldz7@cdc.gov)  
**Subject:** GenX Risk Assessment Knowledge Gaps

Hello everyone!

NC DHHS has been discussing GenX with both EPA and ATSDR and we really appreciate the help you've been giving us. We'll be holding a conference call tomorrow to talk about the progress we've made on our GenX risk assessment, and talk about knowledge gaps. We'll be asking for rapid feedback within the next week to help inform our risk communications with the public.

I've attached a document for you to review with requests for feedback bolded in purple.

Thanks so much and talk to you all tomorrow!

**Amy Risen, PhD**

Environmental Toxicologist  
Division Public Health, Occupational and Environmental Epidemiology  
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